

WHAT IS CLAIMED IS:

is selected from the group consisting of *E. coli* XL1-Blue, *E. coli* MC4100, *E. coli* BL21(DE3), *E. coli* HB101 and *E. coli* W3110.

5        6. *E. coli* MC4100/pTHKCSFmII(KCTC 0754BP) transformed with the plasmid vector, pTHKCSFmII of claim 3.

10        7. A process for preparing a human granulocyte colony stimulating factor, which comprises the steps of:

15        culturing *E. coli* transformed with the plasmid vector of claim 1 to obtain a human granulocyte colony stimulating factor fusion protein; and,

15        treating the human granulocyte colony stimulating factor fusion protein with a protease to obtain a human granulocyte colony stimulating factor.

20        8. The process for preparing a human granulocyte colony stimulating factor of claim 7, wherein the plasmid vector of claim 1 is pTHKCSFmII.

25        9. The process for preparing a human granulocyte colony stimulating factor of claim 7, wherein the human granulocyte colony stimulating factor fusion protein is obtained from the culture by employing Ni-column.

30        10. The process for preparing a human granulocyte colony stimulating factor of claim 7, wherein the protease is Factor Xa.